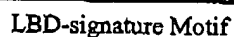


FIGURE 5



**BEST AVAILABLE COPY**

SNOR motif

SNOR1: 573  
 SNOR2: 577  
 SNOR3: 579  
 SNOR4: 583  
 SNOR5: 587  
 SNOR6: 591  
 SNOR7: 595  
 SNOR8: 599  
 SNOR9: 603  
 SNOR10: 607  
 SNOR11: 611  
 SNOR12: 615  
 SNOR13: 619  
 SNOR14: 623  
 SNOR15: 627  
 SNOR16: 631  
 SNOR17: 635  
 SNOR18: 639  
 SNOR19: 643  
 SNOR20: 647  
 SNOR21: 651  
 SNOR22: 655  
 SNOR23: 659  
 SNOR24: 663  
 SNOR25: 667  
 SNOR26: 671  
 SNOR27: 675  
 SNOR28: 679  
 SNOR29: 683  
 SNOR30: 687  
 SNOR31: 691  
 SNOR32: 695  
 SNOR33: 699  
 SNOR34: 703  
 SNOR35: 707  
 SNOR36: 711  
 SNOR37: 715  
 SNOR38: 719  
 SNOR39: 723  
 SNOR40: 727  
 SNOR41: 731  
 SNOR42: 735  
 SNOR43: 739  
 SNOR44: 743  
 SNOR45: 747  
 SNOR46: 751  
 SNOR47: 755  
 SNOR48: 759  
 SNOR49: 763  
 SNOR50: 767  
 SNOR51: 771  
 SNOR52: 775  
 SNOR53: 779  
 SNOR54: 783  
 SNOR55: 787  
 SNOR56: 791  
 SNOR57: 795  
 SNOR58: 799  
 SNOR59: 803  
 SNOR60: 807  
 SNOR61: 811  
 SNOR62: 815  
 SNOR63: 819  
 SNOR64: 823  
 SNOR65: 827  
 SNOR66: 831  
 SNOR67: 835  
 SNOR68: 839  
 SNOR69: 843  
 SNOR70: 847  
 SNOR71: 851  
 SNOR72: 855  
 SNOR73: 859  
 SNOR74: 863  
 SNOR75: 867  
 SNOR76: 871  
 SNOR77: 875  
 SNOR78: 879  
 SNOR79: 883  
 SNOR80: 887  
 SNOR81: 891  
 SNOR82: 895  
 SNOR83: 899  
 SNOR84: 903  
 SNOR85: 907  
 SNOR86: 911  
 SNOR87: 915  
 SNOR88: 919  
 SNOR89: 923  
 SNOR90: 927  
 SNOR91: 931  
 SNOR92: 935  
 SNOR93: 939  
 SNOR94: 943  
 SNOR95: 947  
 SNOR96: 951  
 SNOR97: 955  
 SNOR98: 959  
 SNOR99: 963  
 SNOR100: 967

SANT domain

SANT1: 1048  
 SANT2: 1052  
 SANT3: 1056  
 SANT4: 1060  
 SANT5: 1064  
 SANT6: 1068  
 SANT7: 1072  
 SANT8: 1076  
 SANT9: 1080  
 SANT10: 1084  
 SANT11: 1088  
 SANT12: 1092  
 SANT13: 1096  
 SANT14: 1100  
 SANT15: 1104  
 SANT16: 1108  
 SANT17: 1112  
 SANT18: 1116  
 SANT19: 1120  
 SANT20: 1124  
 SANT21: 1128  
 SANT22: 1132  
 SANT23: 1136  
 SANT24: 1140  
 SANT25: 1144  
 SANT26: 1148  
 SANT27: 1152  
 SANT28: 1156  
 SANT29: 1160  
 SANT30: 1164  
 SANT31: 1168  
 SANT32: 1172  
 SANT33: 1176  
 SANT34: 1180  
 SANT35: 1184  
 SANT36: 1188  
 SANT37: 1192  
 SANT38: 1196  
 SANT39: 1200  
 SANT40: 1204  
 SANT41: 1208  
 SANT42: 1212  
 SANT43: 1216  
 SANT44: 1220  
 SANT45: 1224  
 SANT46: 1228  
 SANT47: 1232  
 SANT48: 1236  
 SANT49: 1240  
 SANT50: 1244  
 SANT51: 1248  
 SANT52: 1252  
 SANT53: 1256  
 SANT54: 1260  
 SANT55: 1264  
 SANT56: 1268  
 SANT57: 1272  
 SANT58: 1276  
 SANT59: 1280  
 SANT60: 1284  
 SANT61: 1288  
 SANT62: 1292  
 SANT63: 1296  
 SANT64: 1300  
 SANT65: 1304  
 SANT66: 1308  
 SANT67: 1312  
 SANT68: 1316  
 SANT69: 1320  
 SANT70: 1324  
 SANT71: 1328  
 SANT72: 1332  
 SANT73: 1336  
 SANT74: 1340  
 SANT75: 1344  
 SANT76: 1348  
 SANT77: 1352  
 SANT78: 1356  
 SANT79: 1360  
 SANT80: 1364  
 SANT81: 1368  
 SANT82: 1372  
 SANT83: 1376  
 SANT84: 1380  
 SANT85: 1384  
 SANT86: 1388  
 SANT87: 1392  
 SANT88: 1396  
 SANT89: 1400  
 SANT90: 1404  
 SANT91: 1408  
 SANT92: 1412  
 SANT93: 1416  
 SANT94: 1420  
 SANT95: 1424  
 SANT96: 1428  
 SANT97: 1432  
 SANT98: 1436  
 SANT99: 1440  
 SANT100: 1444

 $\alpha$ -helix $\alpha$ -helixITS motif

ITS1: 1448  
 ITS2: 1452  
 ITS3: 1456  
 ITS4: 1460  
 ITS5: 1464  
 ITS6: 1468  
 ITS7: 1472  
 ITS8: 1476  
 ITS9: 1480  
 ITS10: 1484  
 ITS11: 1488  
 ITS12: 1492  
 ITS13: 1496  
 ITS14: 1500  
 ITS15: 1504  
 ITS16: 1508  
 ITS17: 1512  
 ITS18: 1516  
 ITS19: 1520  
 ITS20: 1524  
 ITS21: 1528  
 ITS22: 1532  
 ITS23: 1536  
 ITS24: 1540  
 ITS25: 1544  
 ITS26: 1548  
 ITS27: 1552  
 ITS28: 1556  
 ITS29: 1560  
 ITS30: 1564  
 ITS31: 1568  
 ITS32: 1572  
 ITS33: 1576  
 ITS34: 1580  
 ITS35: 1584  
 ITS36: 1588  
 ITS37: 1592  
 ITS38: 1596  
 ITS39: 1600  
 ITS40: 1604  
 ITS41: 1608  
 ITS42: 1612  
 ITS43: 1616  
 ITS44: 1620  
 ITS45: 1624  
 ITS46: 1628  
 ITS47: 1632  
 ITS48: 1636  
 ITS49: 1640  
 ITS50: 1644  
 ITS51: 1648  
 ITS52: 1652  
 ITS53: 1656  
 ITS54: 1660  
 ITS55: 1664  
 ITS56: 1668  
 ITS57: 1672  
 ITS58: 1676  
 ITS59: 1680  
 ITS60: 1684  
 ITS61: 1688  
 ITS62: 1692  
 ITS63: 1696  
 ITS64: 1700  
 ITS65: 1704  
 ITS66: 1708  
 ITS67: 1712  
 ITS68: 1716  
 ITS69: 1720  
 ITS70: 1724  
 ITS71: 1728  
 ITS72: 1732  
 ITS73: 1736  
 ITS74: 1740  
 ITS75: 1744  
 ITS76: 1748  
 ITS77: 1752  
 ITS78: 1756  
 ITS79: 1760  
 ITS80: 1764  
 ITS81: 1768  
 ITS82: 1772  
 ITS83: 1776  
 ITS84: 1780  
 ITS85: 1784  
 ITS86: 1788  
 ITS87: 1792  
 ITS88: 1796  
 ITS89: 1800  
 ITS90: 1804  
 ITS91: 1808  
 ITS92: 1812  
 ITS93: 1816  
 ITS94: 1820  
 ITS95: 1824  
 ITS96: 1828  
 ITS97: 1832  
 ITS98: 1836  
 ITS99: 1840  
 ITS100: 1844

LSD motif

LSD1: 1848  
 LSD2: 1852  
 LSD3: 1856  
 LSD4: 1860  
 LSD5: 1864  
 LSD6: 1868  
 LSD7: 1872  
 LSD8: 1876  
 LSD9: 1880  
 LSD10: 1884  
 LSD11: 1888  
 LSD12: 1892  
 LSD13: 1896  
 LSD14: 1900  
 LSD15: 1904  
 LSD16: 1908  
 LSD17: 1912  
 LSD18: 1916  
 LSD19: 1920  
 LSD20: 1924  
 LSD21: 1928  
 LSD22: 1932  
 LSD23: 1936  
 LSD24: 1940  
 LSD25: 1944  
 LSD26: 1948  
 LSD27: 1952  
 LSD28: 1956  
 LSD29: 1960  
 LSD30: 1964  
 LSD31: 1968  
 LSD32: 1972  
 LSD33: 1976  
 LSD34: 1980  
 LSD35: 1984  
 LSD36: 1988  
 LSD37: 1992  
 LSD38: 1996  
 LSD39: 2000  
 LSD40: 2004  
 LSD41: 2008  
 LSD42: 2012  
 LSD43: 2016  
 LSD44: 2020  
 LSD45: 2024  
 LSD46: 2028  
 LSD47: 2032  
 LSD48: 2036  
 LSD49: 2040  
 LSD50: 2044  
 LSD51: 2048  
 LSD52: 2052  
 LSD53: 2056  
 LSD54: 2060  
 LSD55: 2064  
 LSD56: 2068  
 LSD57: 2072  
 LSD58: 2076  
 LSD59: 2080  
 LSD60: 2084  
 LSD61: 2088  
 LSD62: 2092  
 LSD63: 2096  
 LSD64: 2100  
 LSD65: 2104  
 LSD66: 2108  
 LSD67: 2112  
 LSD68: 2116  
 LSD69: 2120  
 LSD70: 2124  
 LSD71: 2128  
 LSD72: 2132  
 LSD73: 2136  
 LSD74: 2140  
 LSD75: 2144  
 LSD76: 2148  
 LSD77: 2152  
 LSD78: 2156  
 LSD79: 2160  
 LSD80: 2164  
 LSD81: 2168  
 LSD82: 2172  
 LSD83: 2176  
 LSD84: 2180  
 LSD85: 2184  
 LSD86: 2188  
 LSD87: 2192  
 LSD88: 2196  
 LSD89: 2200  
 LSD90: 2204  
 LSD91: 2208  
 LSD92: 2212  
 LSD93: 2216  
 LSD94: 2220  
 LSD95: 2224  
 LSD96: 2228  
 LSD97: 2232  
 LSD98: 2236  
 LSD99: 2240  
 LSD100: 2244

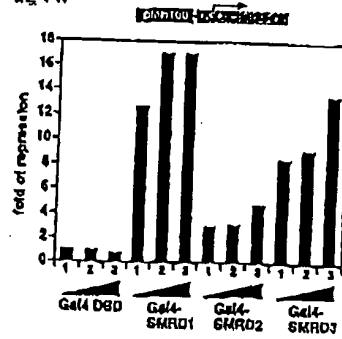
GSI motif

GSI1: 2248  
 GSI2: 2252  
 GSI3: 2256  
 GSI4: 2260  
 GSI5: 2264  
 GSI6: 2268  
 GSI7: 2272  
 GSI8: 2276  
 GSI9: 2280  
 GSI10: 2284  
 GSI11: 2288  
 GSI12: 2292  
 GSI13: 2296  
 GSI14: 2300  
 GSI15: 2304  
 GSI16: 2308  
 GSI17: 2312  
 GSI18: 2316  
 GSI19: 2320  
 GSI20: 2324  
 GSI21: 2328  
 GSI22: 2332  
 GSI23: 2336  
 GSI24: 2340  
 GSI25: 2344  
 GSI26: 2348  
 GSI27: 2352  
 GSI28: 2356  
 GSI29: 2360  
 GSI30: 2364  
 GSI31: 2368  
 GSI32: 2372  
 GSI33: 2376  
 GSI34: 2380  
 GSI35: 2384  
 GSI36: 2388  
 GSI37: 2392  
 GSI38: 2396  
 GSI39: 2400  
 GSI40: 2404  
 GSI41: 2408  
 GSI42: 2412  
 GSI43: 2416  
 GSI44: 2420  
 GSI45: 2424  
 GSI46: 2428  
 GSI47: 2432  
 GSI48: 2436  
 GSI49: 2440  
 GSI50: 2444  
 GSI51: 2448  
 GSI52: 2452  
 GSI53: 2456  
 GSI54: 2460  
 GSI55: 2464  
 GSI56: 2468  
 GSI57: 2472  
 GSI58: 2476  
 GSI59: 2480  
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 GSI61: 2488  
 GSI62: 2492  
 GSI63: 2496  
 GSI64: 2500  
 GSI65: 2504  
 GSI66: 2508  
 GSI67: 2512  
 GSI68: 2516  
 GSI69: 2520  
 GSI70: 2524  
 GSI71: 2528  
 GSI72: 2532  
 GSI73: 2536  
 GSI74: 2540  
 GSI75: 2544  
 GSI76: 2548  
 GSI77: 2552  
 GSI78: 2556  
 GSI79: 2560  
 GSI80: 2564  
 GSI81: 2568  
 GSI82: 2572  
 GSI83: 2576  
 GSI84: 2580  
 GSI85: 2584  
 GSI86: 2588  
 GSI87: 2592  
 GSI88: 2596  
 GSI89: 2600  
 GSI90: 2604  
 GSI91: 2608  
 GSI92: 2612  
 GSI93: 2616  
 GSI94: 2620  
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 GSI96: 2628  
 GSI97: 2632  
 GSI98: 2636  
 GSI99: 2640  
 GSI100: 2644

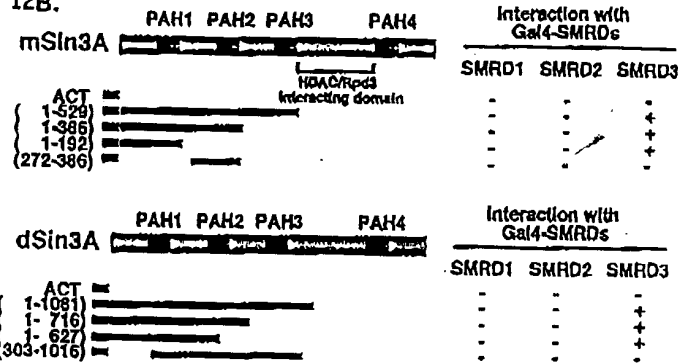
FIGURE 9

BEST AVAILABLE COPY

12 A.



12B.



12C.



FIGURE 12

BEST AVAILABLE COPY